LONG TRAIL SCHOOL founded 1975

For immediate release: May 2, 2008
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LTS Physics Class Publishes Paper

Dorset, VT--What do Sir Isaac Newton, Albert Einstein and Long Trail School's Advanced Physics Class have in common? Students in the Advanced Physics class at Long Trail School have used the principles of Newton's universal law of gravitation and Einstein's theory of special relativity to design a novel apparatus to study the influence of gravity and opposing forces on falling objects.

The results of their study will be published in the "The Physics Teacher Journal" in the near future. The title of their paper is "Determining the terminal velocity and drag coefficient of an object". In addition, their work will be presented at the Annual American Association of Physics Teachers conference to be held in Alberta, Canada this summer.

"This apparatus lends itself to teaching important concepts such as net force, terminal velocity and drag and generated important data applicable to studying physical phenomena", says Dr. David Spero, Long Trail's Physics teacher. "This study has allowed students to apply physical laws in an experimental setting". "Doing is always better than passive learning".

Long Trail School combines rigorous academics and a personalized curriculum for grades 6-12. For more information, please contact Courtney Callo at 802.867.5717.